

Title (en)

METHOD FOR TRACKING X-RAY MARKERS IN SERIAL CT PROJECTION IMAGES

Title (de)

VERFAHREN ZUR VERFOLGUNG VON RÖNTGENMARKERN IN SERIELLEN CT-PROJEKTIONSBILDERN

Title (fr)

PROCÉDÉ DE SUIVI DE REPÈRES RADIOGRAPHIQUES DANS DES IMAGES DE PROJECTION CT EN SÉRIE

Publication

**EP 2504689 B1 20171011 (EN)**

Application

**EP 10833719 A 20100826**

Priority

- US 62631009 A 20091125
- US 2010046836 W 20100826

Abstract (en)

[origin: US2011123080A1] A method and system of rapidly detecting and mapping a plurality of marker points identified in a sequence of projection images to a physical marker placed on a patient or other scanned object. Embodiments of the invention allow a marker physical mapping module executable by an electronic processing unit to obtain a sequence of images based on image data generated by a scanner. Each image in the sequence of images represents an angle of rotation by the scanner and includes a plurality of marker points each having a U position and a V position. Expected U and V positions for the physical marker are calculated and a list of candidate marker points is created based on the expected positions. The images are processed and selected candidate marker points are added to a good point list.

IPC 8 full level

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CPC (source: EP KR US)

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